

State-of-the-art technology, so important in the diagnosis of human diseases, is also available for your pet.

Computerized tomography (CT) and magnetic resonance (MR) imaging can be thought of as an extension of the physical examination of your pet. CT and MR are methods of obtaining pictures of the structure of a portion of the body. This "picture" allows your veterinarian to non-invasively determine whether surgery or some other form of treatment is necessary.

The Veterinary Neurological Center offers on-site MR and CT imaging. We are pleased to work with your primary care veterinarian in the diagnosis of your pet's disorder.

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The advertisement features a dark blue background with a grid of medical scan images, including a large skull scan at the top and a smaller brain scan in the middle. In the foreground, a brown and white spaniel dog and a tabby cat are sitting together. The text "CT/MR Imaging" is prominently displayed in a large, white, sans-serif font at the top. At the bottom right, the text "Ultimate Technology for Veterinary Care" is written in a white, sans-serif font.

CT/MR Imaging

Ultimate Technology
for Veterinary Care

On-Site Availability

The Veterinary Neurological Center was established to diagnose and treat pets with neurological disorders. However, since CT and MR capabilities are so important in the diagnosis of other disorders of pets, we have arranged to provide prompt and efficient MR and CT services for outpatients with non-neurological conditions.

Your veterinarian needs only to refer you and your pet to our facility. The imaging studies can be scheduled Monday through Friday. You are welcome to wait at our facility, however, your pet's stay will be approximately 4 hours so you may wish to make plans to return later. Although the CT or MR study will take only 30–60 minutes, general anesthesia is required in order to prevent movement during the scan. Your pet will be observed in the hospital until fully recovered from anesthesia.

Films will be sent to a board-certified radiologist for interpretation of non-neurological studies if requested by your veterinarian. Results of the studies will be forwarded to your primary care veterinarian and are generally available within 24-hours Monday through Thursday and by the following Monday for Friday procedures.

CT vs. MR

CT is actually special x-ray technology in which a computer is used to create highly detailed cross sectional images of a portion of the body. CT is especially good in evaluating bone (fractures, infections, tumors) and vertebral lesions such as calcified disks.

MR involves computerized monitoring of changes in a magnetic field associated with different types of fluid and soft tissue. The images produced are similar to CT images but provide greater detail of soft tissues such as the brain, spinal cord, tendons and ligaments.

MR is generally better in evaluating soft tissues; CT is generally better in evaluating bone or calcified tissues.

Diagnostic Uses of MR & CT Imaging

- Brain: tumors, hydrocephalus, inflammation (encephalitis, meningitis), vascular lesions (strokes or hemorrhage)
- Spine and spinal cord: tumors, vascular injuries, intervertebral disk herniations, infections, fractures, dislocations
- Ocular and orbital diseases: inflammation or tumors of the eye and nearby structures
- Trauma: fractures (CT) and hemorrhage or soft tissue damage (MR)
- Abdomen: soft tissues, intestinal obstructions, metastatic disease and invasion of cancer into surrounding tissue
- Ear, nose and throat: infections and tumors of the middle ear cavity, nose and throat, and evaluation of lymph nodes
- Complex orthopedic diseases: elbow dysplasia, cruciate and other ligament and tendon tears, or radiographic abnormalities that warrant further investigation
- Guided biopsies (CT)
- Radiation treatment planning

Quality Imaging and Patient Care

Each patient is initially examined and the history and medical record reviewed by a veterinary neurologist who has been board certified by the American College of Veterinary Internal Medicine. This veterinarian will direct and supervise the care of your pet while hospitalized. Specially trained MR and CT scanning technologists and veterinary technicians with experience in anesthesia and recovery assist the staff neurologist.

We take pride in the quality of our patient care and imaging studies and value the opportunity to assist you, your pet, and your veterinarian.

